



BARGE "HTCO 3138"

ULLAGE TRIM TABLE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-1/4	06-1/4	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
1 STBD	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-1/4	06-1/4	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
2 PORT	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-1/4	06-1/4	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
2 STBD	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-1/4	06-1/4	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
3 PORT	02-1/8	- 02-1/8	04-1/4	- 04-1/4	06-1/4	- 06-1/4	08-1/2	- 08-1/2	10-1/2	- 10-1/2	12-5/8	- 12-5/8
3 STBD	02-1/8	- 02-1/8	04-1/4	- 04-1/4	06-3/8	- 06-3/8	08-1/2	- 08-1/2	10-1/2	- 10-1/2	12-5/8	- 12-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 04-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

October 23, 2023

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HTCO 3138"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12		12		12		12		12		12		12		12		12		12	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HTCO 3138"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,387.92	0	2,030.06	0	1,672.20	0	1,314.33	0	957.36	0	600.82	0	260.80	0		0		0	
1/4	2,380.47	1/4	2,022.60	1/4	1,664.74	1/4	1,306.88	1/4	949.95	1/4	593.37	1/4	254.22	1/4		1/4		1/4	
1/2	2,373.01	1/2	2,015.15	1/2	1,657.29	1/2	1,299.42	1/2	942.55	1/2	585.91	1/2	247.64	1/2		1/2		1/2	
3/4	2,365.56	3/4	2,007.69	3/4	1,649.83	3/4	1,291.97	3/4	935.15	3/4	578.46	3/4	241.07	3/4		3/4		3/4	
1	2,358.10	1	2,000.24	1	1,642.37	1	1,284.51	1	927.74	1	571.00	1	234.49	1		1		1	
1/4	2,350.65	1/4	1,992.78	1/4	1,634.92	1/4	1,277.05	1/4	920.34	1/4	563.57	1/4	228.00	1/4		1/4		1/4	
1/2	2,343.19	1/2	1,985.33	1/2	1,627.46	1/2	1,269.60	1/2	912.93	1/2	556.14	1/2	221.50	1/2		1/2		1/2	
3/4	2,335.74	3/4	1,977.87	3/4	1,620.01	3/4	1,262.14	3/4	905.53	3/4	548.70	3/4	215.01	3/4		3/4		3/4	
2	2,328.28	2	1,970.42	2	1,612.55	2	1,254.69	2	898.12	2	541.27	2	208.51	2		2		2	
1/4	2,320.82	1/4	1,962.96	1/4	1,605.10	1/4	1,247.23	1/4	890.72	1/4	533.90	1/4	202.10	1/4		1/4		1/4	
1/2	2,313.37	1/2	1,955.51	1/2	1,597.64	1/2	1,239.78	1/2	883.31	1/2	526.53	1/2	195.69	1/2		1/2		1/2	
3/4	2,305.91	3/4	1,948.05	3/4	1,590.19	3/4	1,232.32	3/4	875.91	3/4	519.16	3/4	189.28	3/4		3/4		3/4	
3	2,298.46	3	1,940.59	3	1,582.73	3	1,224.87	3	868.50	3	511.78	3	182.86	3		3		3	
1/4	2,291.00	1/4	1,933.14	1/4	1,575.27	1/4	1,217.41	1/4	861.10	1/4	504.49	1/4	176.52	1/4		1/4		1/4	
1/2	2,283.55	1/2	1,925.68	1/2	1,567.82	1/2	1,209.96	1/2	853.69	1/2	497.20	1/2	170.19	1/2		1/2		1/2	
3/4	2,276.09	3/4	1,918.23	3/4	1,560.36	3/4	1,202.50	3/4	846.29	3/4	489.91	3/4	163.85	3/4		3/4		3/4	
4	2,268.64	4	1,910.77	4	1,552.91	4	1,195.04	4	838.89	4	482.62	4	157.51	4		4		4	
1/4	2,261.18	1/4	1,903.32	1/4	1,545.45	1/4	1,187.59	1/4	831.48	1/4	475.41	1/4	151.24	1/4		1/4		1/4	
1/2	2,253.73	1/2	1,895.86	1/2	1,538.00	1/2	1,180.13	1/2	824.08	1/2	468.20	1/2	144.98	1/2		1/2		1/2	
3/4	2,246.27	3/4	1,888.41	3/4	1,530.54	3/4	1,172.68	3/4	816.67	3/4	460.99	3/4	138.71	3/4		3/4		3/4	
5	2,238.81	5	1,880.95	5	1,523.09	5	1,165.22	5	809.27	5	453.78	5	132.45	5		5		5	
1/4	2,231.36	1/4	1,873.49	1/4	1,515.63	1/4	1,157.77	1/4	801.86	1/4	446.65	1/4	126.27	1/4		1/4		1/4	
1/2	2,223.90	1/2	1,866.04	1/2	1,508.18	1/2	1,150.31	1/2	794.46	1/2	439.52	1/2	120.08	1/2		1/2		1/2	
3/4	2,216.45	3/4	1,858.58	3/4	1,500.72	3/4	1,142.86	3/4	787.05	3/4	432.39	3/4	113.90	3/4		3/4		3/4	
6	2,208.99	6	1,851.13	6	1,493.26	6	1,135.40	6	779.65	6	425.27	6	107.71	6		6		6	
1/4	2,201.54	1/4	1,843.67	1/4	1,485.81	1/4	1,127.96	1/4	772.22	1/4	418.22	1/4	101.61	1/4		1/4		1/4	
1/2	2,194.08	1/2	1,836.22	1/2	1,478.35	1/2	1,120.52	1/2	764.79	1/2	411.17	1/2	95.50	1/2		1/2		1/2	
3/4	2,186.63	3/4	1,828.76	3/4	1,470.90	3/4	1,113.08	3/4	757.36	3/4	404.12	3/4	89.40	3/4		3/4		3/4	
7	2,179.17	7	1,821.31	7	1,463.44	7	1,105.64	7	749.93	7	397.08	7	83.30	7		7		7	
1/4	2,171.71	1/4	1,813.85	1/4	1,455.99	1/4	1,098.21	1/4	742.47	1/4	390.11	1/4	77.27	1/4		1/4		1/4	
1/2	2,164.26	1/2	1,806.40	1/2	1,448.53	1/2	1,090.79	1/2	735.02	1/2	383.14	1/2	71.25	1/2		1/2		1/2	
3/4	2,156.80	3/4	1,798.94	3/4	1,441.08	3/4	1,083.36	3/4	727.56	3/4	376.18	3/4	65.23	3/4		3/4		3/4	
8	2,149.35	8	1,791.48	8	1,433.62	8	1,075.93	8	720.11	8	369.21	8	59.20	8		8		8	
1/4	2,141.89	1/4	1,784.03	1/4	1,426.16	1/4	1,068.51	1/4	712.65	1/4	362.32	1/4	53.73	1/4		1/4		1/4	
1/2	2,134.44	1/2	1,776.57	1/2	1,418.71	1/2	1,061.10	1/2	705.20	1/2	355.43	1/2	48.25	1/2		1/2		1/2	
3/4	2,126.98	3/4	1,769.12	3/4	1,411.25	3/4	1,053.68	3/4	697.74	3/4	348.54	3/4	42.78	3/4		3/4		3/4	
9	2,119.53	9	1,761.66	9	1,403.80	9	1,046.26	9	690.29	9	341.65	9	37.30	9		9		9	
1/4	2,112.07	1/4	1,754.21	1/4	1,396.34	1/4	1,038.85	1/4	682.83	1/4	334.83	1/4	33.31	1/4		1/4		1/4	
1/2	2,104.62	1/2	1,746.75	1/2	1,388.89	1/2	1,031.43	1/2	675.38	1/2	328.01	1/2	29.31	1/2		1/2		1/2	
3/4	2,097.16	3/4	1,739.30	3/4	1,381.43	3/4	1,024.02	3/4	667.92	3/4	321.19	3/4	25.32	3/4		3/4		3/4	
10	2,089.70	10	1,731.84	10	1,373.98	10	1,016.61	10	660.47	10	314.37	10	21.32	10		10		10	
1/4	2,082.25	1/4	1,724.38	1/4	1,366.52	1/4	1,009.20	1/4	653.01	1/4	307.64	1/4	18.41	1/4		1/4		1/4	
1/2	2,074.79	1/2	1,716.93	1/2	1,359.07	1/2	1,001.79	1/2	645.55	1/2	300.90	1/2		1/2		1/2		1/2	
3/4	2,067.34	3/4	1,709.47	3/4	1,351.61	3/4	994.39	3/4	638.10	3/4	294.16	3/4		3/4		3/4		3/4	
11	2,059.88	11	1,702.02	11	1,344.15	11	986.98	11	630.64	11	287.42	11		11		11		11	
1/4	2,052.43	1/4	1,694.56	1/4	1,336.70	1/4	979.57	1/4	623.19	1/4	280.77	1/4		1/4		1/4		1/4	
1/2	2,044.97	1/2	1,687.11	1/2	1,329.24	1/2	972.17	1/2	615.73	1/2	274.11	1/2		1/2		1/2		1/2	
3/4	2,037.52	3/4	1,679.65	3/4	1,321.79	3/4	964.76	3/4	608.28	3/4	267.45	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 CL
RECALCULATED: 10/23/2023 JS
VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HTCO 3138"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "HTCO 3138"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,375.30	0	2,017.35	0	1,659.40	0	1,301.46	0	943.68	0	586.07	0	247.76	0		0		0	
1/4	2,367.84	1/4	2,009.89	1/4	1,651.95	1/4	1,294.00	1/4	936.23	1/4	578.61	1/4	241.18	1/4		1/4		1/4	
1/2	2,360.38	1/2	2,002.44	1/2	1,644.49	1/2	1,286.54	1/2	928.79	1/2	571.15	1/2	234.60	1/2		1/2		1/2	
3/4	2,352.92	3/4	1,994.98	3/4	1,637.03	3/4	1,279.09	3/4	921.35	3/4	563.72	3/4	228.10	3/4		3/4		3/4	
1	2,345.47	1	1,987.52	1	1,629.58	1	1,271.63	1	913.90	1	556.29	1	221.61	1		1		1	
1/4	2,338.01	1/4	1,980.06	1/4	1,622.12	1/4	1,264.17	1/4	906.46	1/4	548.86	1/4	215.11	1/4		1/4		1/4	
1/2	2,330.55	1/2	1,972.61	1/2	1,614.66	1/2	1,256.72	1/2	899.02	1/2	541.43	1/2	208.61	1/2		1/2		1/2	
3/4	2,323.09	3/4	1,965.15	3/4	1,607.20	3/4	1,249.26	3/4	891.57	3/4	534.06	3/4	202.20	3/4		3/4		3/4	
2	2,315.64	2	1,957.69	2	1,599.75	2	1,241.80	2	884.13	2	526.70	2	195.78	2		2		2	
1/4	2,308.18	1/4	1,950.23	1/4	1,592.29	1/4	1,234.34	1/4	876.69	1/4	519.33	1/4	189.37	1/4		1/4		1/4	
1/2	2,300.72	1/2	1,942.78	1/2	1,584.83	1/2	1,226.89	1/2	869.24	1/2	511.97	1/2	182.95	1/2		1/2		1/2	
3/4	2,293.27	3/4	1,935.32	3/4	1,577.37	3/4	1,219.43	3/4	861.80	3/4	504.68	3/4	176.61	3/4		3/4		3/4	
3	2,285.81	3	1,927.86	3	1,569.92	3	1,211.97	3	854.36	3	497.39	3	170.27	3		3		3	
1/4	2,278.35	1/4	1,920.41	1/4	1,562.46	1/4	1,204.51	1/4	846.91	1/4	490.10	1/4	163.93	1/4		1/4		1/4	
1/2	2,270.89	1/2	1,912.95	1/2	1,555.00	1/2	1,197.06	1/2	839.47	1/2	482.81	1/2	157.59	1/2		1/2		1/2	
3/4	2,263.44	3/4	1,905.49	3/4	1,547.55	3/4	1,189.60	3/4	832.03	3/4	475.60	3/4	151.32	3/4		3/4		3/4	
4	2,255.98	4	1,898.03	4	1,540.09	4	1,182.14	4	824.58	4	468.39	4	145.05	4		4		4	
1/4	2,248.52	1/4	1,890.58	1/4	1,532.63	1/4	1,174.69	1/4	817.14	1/4	461.18	1/4	138.78	1/4		1/4		1/4	
1/2	2,241.07	1/2	1,883.12	1/2	1,525.17	1/2	1,167.23	1/2	809.70	1/2	453.96	1/2	132.52	1/2		1/2		1/2	
3/4	2,233.61	3/4	1,875.66	3/4	1,517.72	3/4	1,159.77	3/4	802.25	3/4	446.83	3/4	126.33	3/4		3/4		3/4	
5	2,226.15	5	1,868.21	5	1,510.26	5	1,152.31	5	794.81	5	439.70	5	120.14	5		5		5	
1/4	2,218.69	1/4	1,860.75	1/4	1,502.80	1/4	1,144.86	1/4	787.37	1/4	432.57	1/4	113.95	1/4		1/4		1/4	
1/2	2,211.24	1/2	1,853.29	1/2	1,495.35	1/2	1,137.40	1/2	779.92	1/2	425.44	1/2	107.77	1/2		1/2		1/2	
3/4	2,203.78	3/4	1,845.83	3/4	1,487.89	3/4	1,129.94	3/4	772.47	3/4	418.39	3/4	101.66	3/4		3/4		3/4	
6	2,196.32	6	1,838.38	6	1,480.43	6	1,122.49	6	765.02	6	411.34	6	95.55	6		6		6	
1/4	2,188.87	1/4	1,830.92	1/4	1,472.97	1/4	1,115.03	1/4	757.57	1/4	404.29	1/4	89.45	1/4		1/4		1/4	
1/2	2,181.41	1/2	1,823.46	1/2	1,465.52	1/2	1,107.57	1/2	750.12	1/2	397.24	1/2	83.34	1/2		1/2		1/2	
3/4	2,173.95	3/4	1,816.01	3/4	1,458.06	3/4	1,100.11	3/4	742.67	3/4	390.27	3/4	77.31	3/4		3/4		3/4	
7	2,166.49	7	1,808.55	7	1,450.60	7	1,092.66	7	735.21	7	383.31	7	71.29	7		7		7	
1/4	2,159.04	1/4	1,801.09	1/4	1,443.15	1/4	1,085.20	1/4	727.75	1/4	376.34	1/4	65.26	1/4		1/4		1/4	
1/2	2,151.58	1/2	1,793.63	1/2	1,435.69	1/2	1,077.74	1/2	720.29	1/2	369.37	1/2	59.23	1/2		1/2		1/2	
3/4	2,144.12	3/4	1,786.18	3/4	1,428.23	3/4	1,070.29	3/4	712.84	3/4	362.48	3/4	53.76	3/4		3/4		3/4	
8	2,136.66	8	1,778.72	8	1,420.77	8	1,062.83	8	705.38	8	355.58	8	48.28	8		8		8	
1/4	2,129.21	1/4	1,771.26	1/4	1,413.32	1/4	1,055.38	1/4	697.92	1/4	348.69	1/4	42.80	1/4		1/4		1/4	
1/2	2,121.75	1/2	1,763.80	1/2	1,405.86	1/2	1,047.93	1/2	690.47	1/2	341.79	1/2	37.32	1/2		1/2		1/2	
3/4	2,114.29	3/4	1,756.35	3/4	1,398.40	3/4	1,040.48	3/4	683.01	3/4	334.97	3/4	33.32	3/4		3/4		3/4	
9	2,106.84	9	1,748.89	9	1,390.94	9	1,033.03	9	675.55	9	328.15	9	29.32	9		9		9	
1/4	2,099.38	1/4	1,741.43	1/4	1,383.49	1/4	1,025.57	1/4	668.10	1/4	321.33	1/4	25.33	1/4		1/4		1/4	
1/2	2,091.92	1/2	1,733.98	1/2	1,376.03	1/2	1,018.12	1/2	660.64	1/2	314.51	1/2	21.33	1/2		1/2		1/2	
3/4	2,084.46	3/4	1,726.52	3/4	1,368.57	3/4	1,010.68	3/4	653.18	3/4	307.77	3/4	18.42	3/4		3/4		3/4	
10	2,077.01	10	1,719.06	10	1,361.12	10	1,003.23	10	645.72	10	301.03	10	14.42	10		10		10	
1/4	2,069.55	1/4	1,711.60	1/4	1,353.66	1/4	995.78	1/4	638.27	1/4	294.29	1/4	10.42	1/4		1/4		1/4	
1/2	2,062.09	1/2	1,704.15	1/2	1,346.20	1/2	988.34	1/2	630.81	1/2	287.55	1/2	6.42	1/2		1/2		1/2	
3/4	2,054.64	3/4	1,696.69	3/4	1,338.74	3/4	980.89	3/4	623.35	3/4	280.89	3/4	2.42	3/4		3/4		3/4	
11	2,047.18	11	1,689.23	11	1,331.29	11	973.45	11	615.90	11	274.23	11	11	11		11		11	
1/4	2,039.72	1/4	1,681.78	1/4	1,323.83	1/4	966.01	1/4	608.44	1/4	267.57	1/4	7.42	1/4		1/4		1/4	
1/2	2,032.26	1/2	1,674.32	1/2	1,316.37	1/2	958.56	1/2	600.98	1/2	260.92	1/2	3.42	1/2		1/2		1/2	
3/4	2,024.81	3/4	1,666.86	3/4	1,308.92	3/4	951.12	3/4	593.53	3/4	254.34	3/4	3.42	3/4		3/4		3/4	

STRAPPED: 05/04/2015 CL
RECALCULATED: 10/23/2023 JS
VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HTCO 3138"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12		12		12		12		12		12		12		12		12		12	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,448.40	0	2,089.14	0	1,729.88	0	1,370.62	0	1,018.12	0	666.47	0	307.22	0		0		0	
1/4	2,440.92	1/4	2,081.65	1/4	1,722.39	1/4	1,363.13	1/4	1,010.94	1/4	658.99	1/4	299.74	1/4	1/4		1/4	1/4	
1/2	2,433.43	1/2	2,074.17	1/2	1,714.91	1/2	1,355.65	1/2	1,003.76	1/2	651.50	1/2	292.25	1/2	1/2		1/2	1/2	
3/4	2,425.95	3/4	2,066.69	3/4	1,707.42	3/4	1,348.16	3/4	996.58	3/4	644.02	3/4	284.77	3/4	3/4		3/4	3/4	
1	2,418.46	1	2,059.20	1	1,699.94	1	1,340.68	1	989.40	1	636.53	1	277.28	1	1		1	1	
1/4	2,410.98	1/4	2,051.72	1/4	1,692.46	1/4	1,333.19	1/4	982.22	1/4	629.05	1/4	269.80	1/4	1/4		1/4	1/4	
1/2	2,403.49	1/2	2,044.23	1/2	1,684.97	1/2	1,325.71	1/2	975.04	1/2	621.56	1/2	262.31	1/2	1/2		1/2	1/2	
3/4	2,396.01	3/4	2,036.75	3/4	1,677.49	3/4	1,318.23	3/4	967.85	3/4	614.08	3/4	254.83	3/4	3/4		3/4	3/4	
2	2,388.52	2	2,029.26	2	1,670.00	2	1,310.74	2	960.67	2	606.60	2	247.34	2	2		2	2	
1/4	2,381.04	1/4	2,021.78	1/4	1,662.52	1/4	1,303.26	1/4	953.49	1/4	599.11	1/4	239.86	1/4	1/4		1/4	1/4	
1/2	2,373.55	1/2	2,014.29	1/2	1,655.03	1/2	1,295.77	1/2	946.31	1/2	591.63	1/2	232.38	1/2	1/2		1/2	1/2	
3/4	2,366.07	3/4	2,006.81	3/4	1,647.55	3/4	1,288.29	3/4	939.13	3/4	584.14	3/4	224.89	3/4	3/4		3/4	3/4	
3	2,358.58	3	1,999.32	3	1,640.06	3	1,280.80	3	931.95	3	576.66	3	217.41	3	3		3	3	
1/4	2,351.10	1/4	1,991.84	1/4	1,632.58	1/4	1,273.32	1/4	924.77	1/4	569.17	1/4	209.92	1/4	1/4		1/4	1/4	
1/2	2,343.62	1/2	1,984.35	1/2	1,625.09	1/2	1,265.83	1/2	917.59	1/2	561.69	1/2	202.44	1/2	1/2		1/2	1/2	
3/4	2,336.13	3/4	1,976.87	3/4	1,617.61	3/4	1,258.35	3/4	910.41	3/4	554.20	3/4	194.95	3/4	3/4		3/4	3/4	
4	2,328.65	4	1,969.39	4	1,610.12	4	1,250.86	4	903.23	4	546.72	4	187.47	4	4		4	4	
1/4	2,321.16	1/4	1,961.90	1/4	1,602.64	1/4	1,243.38	1/4	896.05	1/4	539.24	1/4	179.98	1/4	1/4		1/4	1/4	
1/2	2,313.68	1/2	1,954.42	1/2	1,595.16	1/2	1,235.89	1/2	888.87	1/2	531.75	1/2	172.50	1/2	1/2		1/2	1/2	
3/4	2,306.19	3/4	1,946.93	3/4	1,587.67	3/4	1,228.41	3/4	881.69	3/4	524.27	3/4	165.02	3/4	3/4		3/4	3/4	
5	2,298.71	5	1,939.45	5	1,580.19	5	1,220.93	5	874.51	5	516.78	5	157.53	5	5		5	5	
1/4	2,291.22	1/4	1,931.96	1/4	1,572.70	1/4	1,213.44	1/4	867.32	1/4	509.30	1/4	150.05	1/4	1/4		1/4	1/4	
1/2	2,283.74	1/2	1,924.48	1/2	1,565.22	1/2	1,205.96	1/2	860.14	1/2	501.81	1/2	142.56	1/2	1/2		1/2	1/2	
3/4	2,276.25	3/4	1,916.99	3/4	1,557.73	3/4	1,198.47	3/4	852.96	3/4	494.33	3/4	135.08	3/4	3/4		3/4	3/4	
6	2,268.77	6	1,909.51	6	1,550.25	6	1,191.13	6	845.63	6	486.85	6	127.59	6	6		6	6	
1/4	2,261.29	1/4	1,902.02	1/4	1,542.76	1/4	1,183.79	1/4	838.30	1/4	479.36	1/4	120.11	1/4	1/4		1/4	1/4	
1/2	2,253.80	1/2	1,894.54	1/2	1,535.28	1/2	1,176.44	1/2	830.97	1/2	471.88	1/2	112.63	1/2	1/2		1/2	1/2	
3/4	2,246.32	3/4	1,887.06	3/4	1,527.79	3/4	1,169.10	3/4	823.64	3/4	464.39	3/4	105.14	3/4	3/4		3/4	3/4	
7	2,238.83	7	1,879.57	7	1,520.31	7	1,161.90	7	816.16	7	456.91	7	97.66	7	7		7	7	
1/4	2,231.35	1/4	1,872.09	1/4	1,512.83	1/4	1,154.70	1/4	808.67	1/4	449.42	1/4	90.17	1/4	1/4		1/4	1/4	
1/2	2,223.86	1/2	1,864.60	1/2	1,505.34	1/2	1,147.49	1/2	801.19	1/2	441.94	1/2	82.69	1/2	1/2		1/2	1/2	
3/4	2,216.38	3/4	1,857.12	3/4	1,497.86	3/4	1,140.29	3/4	793.71	3/4	434.45	3/4	75.20	3/4	3/4		3/4	3/4	
8	2,208.89	8	1,849.63	8	1,490.37	8	1,133.10	8	786.22	8	426.97	8	68.19	8	8		8	8	
1/4	2,201.41	1/4	1,842.15	1/4	1,482.89	1/4	1,125.90	1/4	778.74	1/4	419.49	1/4	61.17	1/4	1/4		1/4	1/4	
1/2	2,193.92	1/2	1,834.66	1/2	1,475.40	1/2	1,118.71	1/2	771.25	1/2	412.00	1/2	54.15	1/2	1/2		1/2	1/2	
3/4	2,186.44	3/4	1,827.18	3/4	1,467.92	3/4	1,111.51	3/4	763.77	3/4	404.52	3/4	47.14	3/4	3/4		3/4	3/4	
9	2,178.95	9	1,819.69	9	1,460.43	9	1,104.32	9	756.28	9	397.03	9	41.52	9	9		9	9	
1/4	2,171.47	1/4	1,812.21	1/4	1,452.95	1/4	1,097.14	1/4	748.80	1/4	389.55	1/4	35.91	1/4	1/4		1/4	1/4	
1/2	2,163.99	1/2	1,804.72	1/2	1,445.46	1/2	1,089.95	1/2	741.31	1/2	382.06	1/2	30.30	1/2	1/2		1/2	1/2	
3/4	2,156.50	3/4	1,797.24	3/4	1,437.98	3/4	1,082.76	3/4	733.83	3/4	374.58	3/4	24.68	3/4	3/4		3/4	3/4	
10	2,149.02	10	1,789.76	10	1,430.49	10	1,075.58	10	726.35	10	367.09	10	20.95	10	10		10	10	
1/4	2,141.53	1/4	1,782.27	1/4	1,423.01	1/4	1,068.39	1/4	718.86	1/4	359.61	1/4		1/4	1/4		1/4	1/4	
1/2	2,134.05	1/2	1,774.79	1/2	1,415.53	1/2	1,061.21	1/2	711.38	1/2	352.13	1/2		1/2	1/2		1/2	1/2	
3/4	2,126.56	3/4	1,767.30	3/4	1,408.04	3/4	1,054.02	3/4	703.89	3/4	344.64	3/4		3/4	3/4		3/4	3/4	
11	2,119.08	11	1,759.82	11	1,400.56	11	1,046.84	11	696.41	11	337.16	11	11	11	11		11	11	
1/4	2,111.59	1/4	1,752.33	1/4	1,393.07	1/4	1,039.66	1/4	688.92	1/4	329.67	1/4		1/4	1/4		1/4	1/4	
1/2	2,104.11	1/2	1,744.85	1/2	1,385.59	1/2	1,032.48	1/2	681.44	1/2	322.19	1/2		1/2	1/2		1/2	1/2	
3/4	2,096.62	3/4	1,737.36	3/4	1,378.10	3/4	1,025.30	3/4	673.96	3/4	314.70	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 CL
RECALCULATED: 10/23/2023 JS
VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12		12		12		12		12		12		12		12		12		12	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HTCO 3138"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,461.69	0	2,102.52	0	1,743.35	0	1,384.18	0	1,025.15	0	666.31	0	307.15	0		0		0	
1/4	2,454.21	1/4	2,095.04	1/4	1,735.87	1/4	1,376.70	1/4	1,017.68	1/4	658.83	1/4	299.67	1/4	1/4		1/4	1/4	1/4
1/2	2,446.73	1/2	2,087.56	1/2	1,728.39	1/2	1,369.22	1/2	1,010.21	1/2	651.35	1/2	292.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,439.25	3/4	2,080.08	3/4	1,720.91	3/4	1,361.74	3/4	1,002.74	3/4	643.86	3/4	284.70	3/4	3/4	3/4	3/4	3/4	3/4
1	2,431.76	1	2,072.59	1	1,713.42	1	1,354.25	1	995.27	1	636.38	1	277.22	1	1	1	1	1	1
1/4	2,424.28	1/4	2,065.11	1/4	1,705.94	1/4	1,346.77	1/4	987.80	1/4	628.90	1/4	269.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,416.80	1/2	2,057.63	1/2	1,698.46	1/2	1,339.29	1/2	980.33	1/2	621.42	1/2	262.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,409.31	3/4	2,050.14	3/4	1,690.98	3/4	1,331.81	3/4	972.86	3/4	613.93	3/4	254.77	3/4	3/4	3/4	3/4	3/4	3/4
2	2,401.83	2	2,042.66	2	1,683.49	2	1,324.32	2	965.39	2	606.45	2	247.29	2	2	2	2	2	2
1/4	2,394.35	1/4	2,035.18	1/4	1,676.01	1/4	1,316.84	1/4	957.92	1/4	598.97	1/4	239.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,386.87	1/2	2,027.70	1/2	1,668.53	1/2	1,309.36	1/2	950.45	1/2	591.49	1/2	232.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,379.38	3/4	2,020.21	3/4	1,661.04	3/4	1,301.87	3/4	942.98	3/4	584.00	3/4	224.84	3/4	3/4	3/4	3/4	3/4	3/4
3	2,371.90	3	2,012.73	3	1,653.56	3	1,294.39	3	935.51	3	576.52	3	217.36	3	3	3	3	3	3
1/4	2,364.42	1/4	2,005.25	1/4	1,646.08	1/4	1,286.91	1/4	928.04	1/4	569.04	1/4	209.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,356.94	1/2	1,997.77	1/2	1,638.60	1/2	1,279.43	1/2	920.57	1/2	561.56	1/2	202.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,349.45	3/4	1,990.28	3/4	1,631.11	3/4	1,271.94	3/4	913.10	3/4	554.07	3/4	194.91	3/4	3/4	3/4	3/4	3/4	3/4
4	2,341.97	4	1,982.80	4	1,623.63	4	1,264.46	4	905.63	4	546.59	4	187.43	4	4	4	4	4	4
1/4	2,334.49	1/4	1,975.32	1/4	1,616.15	1/4	1,256.98	1/4	898.16	1/4	539.11	1/4	179.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,327.00	1/2	1,967.84	1/2	1,608.67	1/2	1,249.50	1/2	890.69	1/2	531.63	1/2	172.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,319.52	3/4	1,960.35	3/4	1,601.18	3/4	1,242.01	3/4	883.23	3/4	524.14	3/4	164.98	3/4	3/4	3/4	3/4	3/4	3/4
5	2,312.04	5	1,952.87	5	1,593.70	5	1,234.53	5	875.76	5	516.66	5	157.50	5	5	5	5	5	5
1/4	2,304.56	1/4	1,945.39	1/4	1,586.22	1/4	1,227.05	1/4	868.29	1/4	509.18	1/4	150.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,297.07	1/2	1,937.90	1/2	1,578.73	1/2	1,219.57	1/2	860.82	1/2	501.70	1/2	142.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,289.59	3/4	1,930.42	3/4	1,571.25	3/4	1,212.08	3/4	853.35	3/4	494.21	3/4	135.05	3/4	3/4	3/4	3/4	3/4	3/4
6	2,282.11	6	1,922.94	6	1,563.77	6	1,204.60	6	845.87	6	486.73	6	127.57	6	6	6	6	6	6
1/4	2,274.63	1/4	1,915.46	1/4	1,556.29	1/4	1,197.12	1/4	838.40	1/4	479.25	1/4	120.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,267.14	1/2	1,907.97	1/2	1,548.80	1/2	1,189.63	1/2	830.92	1/2	471.77	1/2	112.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,259.66	3/4	1,900.49	3/4	1,541.32	3/4	1,182.15	3/4	823.44	3/4	464.28	3/4	105.12	3/4	3/4	3/4	3/4	3/4	3/4
7	2,252.18	7	1,893.01	7	1,533.84	7	1,174.67	7	815.96	7	456.80	7	97.64	7	7	7	7	7	7
1/4	2,244.69	1/4	1,885.53	1/4	1,526.36	1/4	1,167.19	1/4	808.48	1/4	449.32	1/4	90.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,237.21	1/2	1,878.04	1/2	1,518.87	1/2	1,159.70	1/2	801.00	1/2	441.84	1/2	82.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,229.73	3/4	1,870.56	3/4	1,511.39	3/4	1,152.22	3/4	793.51	3/4	434.35	3/4	75.19	3/4	3/4	3/4	3/4	3/4	3/4
8	2,222.25	8	1,863.08	8	1,503.91	8	1,144.74	8	786.03	8	426.87	8	68.18	8	8	8	8	8	8
1/4	2,214.76	1/4	1,855.59	1/4	1,496.42	1/4	1,137.26	1/4	778.55	1/4	419.39	1/4	61.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,207.28	1/2	1,848.11	1/2	1,488.94	1/2	1,129.78	1/2	771.07	1/2	411.91	1/2	54.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,199.80	3/4	1,840.63	3/4	1,481.46	3/4	1,122.30	3/4	763.58	3/4	404.42	3/4	47.14	3/4	3/4	3/4	3/4	3/4	3/4
9	2,192.32	9	1,833.15	9	1,473.98	9	1,114.82	9	756.10	9	396.94	9	41.52	9	9	9	9	9	9
1/4	2,184.83	1/4	1,825.66	1/4	1,466.49	1/4	1,107.35	1/4	748.62	1/4	389.46	1/4	35.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,177.35	1/2	1,818.18	1/2	1,459.01	1/2	1,099.87	1/2	741.14	1/2	381.98	1/2	30.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,169.87	3/4	1,810.70	3/4	1,451.53	3/4	1,092.39	3/4	733.65	3/4	374.49	3/4	24.69	3/4	3/4	3/4	3/4	3/4	3/4
10	2,162.39	10	1,803.22	10	1,444.05	10	1,084.92	10	726.17	10	367.01	10	20.94	10	10	10	10	10	10
1/4	2,154.90	1/4	1,795.73	1/4	1,436.56	1/4	1,077.45	1/4	718.69	1/4	359.53	1/4	14.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,147.42	1/2	1,788.25	1/2	1,429.08	1/2	1,069.97	1/2	711.21	1/2	352.05	1/2	8.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,139.94	3/4	1,780.77	3/4	1,421.60	3/4	1,062.50	3/4	703.72	3/4	344.56	3/4	2.22	3/4	3/4	3/4	3/4	3/4	3/4
11	2,132.45	11	1,773.28	11	1,414.12	11	1,055.03	11	696.24	11	337.08	11	11.16	11	11	11	11	11	11
1/4	2,124.97	1/4	1,765.80	1/4	1,406.63	1/4	1,047.56	1/4	688.76	1/4	329.60	1/4	4.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.49	1/2	1,758.32	1/2	1,399.15	1/2	1,040.09	1/2	681.28	1/2	322.12	1/2	0.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.01	3/4	1,750.84	3/4	1,391.67	3/4	1,032.62	3/4	673.79	3/4	314.63	3/4	0.60	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2015 CL
RECALCULATED: 10/23/2023 JS
VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P. O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00 3/4" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,438.73	0	2,084.37	0	1,729.27	0	1,372.53	0	1,020.62	0	669.76	0	312.85	0	0	0	0	0	0
1/4	2,431.34	1/4	2,077.01	1/4	1,721.84	1/4	1,365.10	1/4	1,013.42	1/4	662.33	1/4	305.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,423.94	1/2	2,069.64	1/2	1,714.40	1/2	1,357.66	1/2	1,006.22	1/2	654.89	1/2	297.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,416.55	3/4	2,062.27	3/4	1,706.97	3/4	1,350.23	3/4	999.02	3/4	647.45	3/4	290.55	3/4	3/4	3/4	3/4	3/4	3/4
1	2,409.16	1	2,054.90	1	1,699.54	1	1,342.80	1	991.81	1	640.02	1	283.11	1	1	1	1	1	1
1/4	2,401.76	1/4	2,047.53	1/4	1,692.11	1/4	1,335.37	1/4	984.61	1/4	632.58	1/4	275.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,394.37	1/2	2,040.16	1/2	1,684.68	1/2	1,327.93	1/2	977.41	1/2	625.15	1/2	268.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,386.98	3/4	2,032.79	3/4	1,677.24	3/4	1,320.50	3/4	970.21	3/4	617.71	3/4	260.81	3/4	3/4	3/4	3/4	3/4	3/4
2	2,379.58	2	2,025.42	2	1,669.81	2	1,313.07	2	963.00	2	610.27	2	253.37	2	2	2	2	2	2
1/4	2,372.19	1/4	2,018.05	1/4	1,662.38	1/4	1,305.64	1/4	955.80	1/4	602.84	1/4	245.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,364.80	1/2	2,010.68	1/2	1,654.95	1/2	1,298.21	1/2	948.60	1/2	595.40	1/2	238.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,357.40	3/4	2,003.31	3/4	1,647.51	3/4	1,290.77	3/4	941.40	3/4	587.96	3/4	231.06	3/4	3/4	3/4	3/4	3/4	3/4
3	2,350.01	3	1,995.94	3	1,640.08	3	1,283.34	3	934.19	3	580.53	3	223.63	3	3	3	3	3	3
1/4	2,342.62	1/4	1,988.57	1/4	1,632.65	1/4	1,275.91	1/4	926.99	1/4	573.09	1/4	216.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,335.22	1/2	1,981.21	1/2	1,625.22	1/2	1,268.48	1/2	919.79	1/2	565.65	1/2	208.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,327.83	3/4	1,973.84	3/4	1,617.79	3/4	1,261.05	3/4	912.59	3/4	558.22	3/4	201.32	3/4	3/4	3/4	3/4	3/4	3/4
4	2,320.43	4	1,966.47	4	1,610.35	4	1,253.61	4	905.38	4	550.78	4	193.88	4	4	4	4	4	4
1/4	2,313.04	1/4	1,959.10	1/4	1,602.92	1/4	1,246.18	1/4	898.18	1/4	543.35	1/4	186.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,305.65	1/2	1,951.73	1/2	1,595.49	1/2	1,238.75	1/2	890.98	1/2	535.91	1/2	179.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,298.25	3/4	1,944.36	3/4	1,588.06	3/4	1,231.32	3/4	883.78	3/4	528.47	3/4	171.57	3/4	3/4	3/4	3/4	3/4	3/4
5	2,290.86	5	1,936.99	5	1,580.63	5	1,223.89	5	876.58	5	521.04	5	164.14	5	5	5	5	5	5
1/4	2,283.47	1/4	1,929.62	1/4	1,573.19	1/4	1,216.45	1/4	869.37	1/4	513.60	1/4	156.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,276.07	1/2	1,922.25	1/2	1,565.76	1/2	1,209.02	1/2	862.17	1/2	506.16	1/2	149.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,268.68	3/4	1,914.88	3/4	1,558.33	3/4	1,201.59	3/4	854.97	3/4	498.73	3/4	141.82	3/4	3/4	3/4	3/4	3/4	3/4
6	2,261.29	6	1,907.51	6	1,550.90	6	1,194.16	6	847.77	6	491.29	6	134.39	6	6	6	6	6	6
1/4	2,253.90	1/4	1,900.11	1/4	1,543.47	1/4	1,186.83	1/4	840.45	1/4	483.86	1/4	126.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.52	1/2	1,892.71	1/2	1,536.03	1/2	1,179.50	1/2	833.13	1/2	476.42	1/2	119.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,239.14	3/4	1,885.31	3/4	1,528.60	3/4	1,172.18	3/4	825.81	3/4	468.99	3/4	112.06	3/4	3/4	3/4	3/4	3/4	3/4
7	2,231.76	7	1,877.91	7	1,521.17	7	1,164.85	7	818.49	7	461.55	7	104.62	7	7	7	7	7	7
1/4	2,224.39	1/4	1,870.48	1/4	1,513.74	1/4	1,157.63	1/4	811.05	1/4	454.12	1/4	97.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,217.02	1/2	1,863.05	1/2	1,506.30	1/2	1,150.40	1/2	803.62	1/2	446.68	1/2	89.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,209.65	3/4	1,855.61	3/4	1,498.87	3/4	1,143.18	3/4	796.18	3/4	439.25	3/4	82.29	3/4	3/4	3/4	3/4	3/4	3/4
8	2,202.28	8	1,848.18	8	1,491.44	8	1,135.96	8	788.74	8	431.81	8	74.84	8	8	8	8	8	8
1/4	2,194.91	1/4	1,840.75	1/4	1,484.01	1/4	1,128.75	1/4	781.31	1/4	424.38	1/4	67.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,187.54	1/2	1,833.32	1/2	1,476.58	1/2	1,121.53	1/2	773.87	1/2	416.94	1/2	60.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,180.17	3/4	1,825.89	3/4	1,469.14	3/4	1,114.31	3/4	766.44	3/4	409.51	3/4	53.89	3/4	3/4	3/4	3/4	3/4	3/4
9	2,172.80	9	1,818.45	9	1,461.71	9	1,107.10	9	759.00	9	402.07	9	46.91	9	9	9	9	9	9
1/4	2,165.44	1/4	1,811.02	1/4	1,454.28	1/4	1,099.89	1/4	751.56	1/4	394.64	1/4	41.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,158.07	1/2	1,803.59	1/2	1,446.85	1/2	1,092.68	1/2	744.13	1/2	387.20	1/2	35.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,150.70	3/4	1,796.16	3/4	1,439.42	3/4	1,085.47	3/4	736.69	3/4	379.77	3/4	30.15	3/4	3/4	3/4	3/4	3/4	3/4
10	2,143.33	10	1,788.72	10	1,431.98	10	1,078.26	10	729.25	10	372.33	10	24.57	10	10	10	10	10	10
1/4	2,135.96	1/4	1,781.29	1/4	1,424.55	1/4	1,071.05	1/4	721.82	1/4	364.90	1/4	20.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,128.59	1/2	1,773.86	1/2	1,417.12	1/2	1,063.85	1/2	714.38	1/2	357.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,121.22	3/4	1,766.43	3/4	1,409.69	3/4	1,056.64	3/4	706.94	3/4	350.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,113.85	11	1,759.00	11	1,402.26	11	1,049.43	11	699.51	11	342.59	11		11	11	11	11	11	11
1/4	2,106.48	1/4	1,751.56	1/4	1,394.82	1/4	1,042.23	1/4	692.07	1/4	335.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,099.11	1/2	1,744.13	1/2	1,387.39	1/2	1,035.03	1/2	684.64	1/2	327.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,091.74	3/4	1,736.70	3/4	1,379.96	3/4	1,027.83	3/4	677.20	3/4	320.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 05/04/2015 CL
 RECALCULATED: 10/23/2023 JS
 VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,527.95	0	4,282.43	0	4,035.74	0	3,788.64	0	3,521.07	0	3,164.71	0	2,807.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,522.84	1/4	4,277.29	1/4	4,030.60	1/4	3,783.50	1/4	3,513.65	1/4	3,157.27	1/4	2,800.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,517.74	1/2	4,272.16	1/2	4,025.45	1/2	3,778.35	1/2	3,506.23	1/2	3,149.83	1/2	2,792.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,512.63	3/4	4,267.03	3/4	4,020.30	3/4	3,773.20	3/4	3,498.82	3/4	3,142.39	3/4	2,785.28		
1		1		1		1	4,507.52	1	4,261.89	1	4,015.15	1	3,768.05	1	3,491.40	1	3,134.96	1	2,777.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,502.41	1/4	4,256.76	1/4	4,010.00	1/4	3,762.90	1/4	3,483.98	1/4	3,127.52	1/4	2,770.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,497.30	1/2	4,251.63	1/2	4,004.86	1/2	3,757.76	1/2	3,476.56	1/2	3,120.08	1/2	2,762.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,492.19	3/4	4,246.49	3/4	3,999.71	3/4	3,752.61	3/4	3,469.14	3/4	3,112.64	3/4	2,755.52		
2		2		2		2	4,487.08	2	4,241.36	2	3,994.56	2	3,747.46	2	3,461.73	2	3,105.20	2	2,748.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,481.98	1/4	4,236.23	1/4	3,989.41	1/4	3,742.31	1/4	3,454.31	1/4	3,097.76	1/4	2,740.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,476.87	1/2	4,231.09	1/2	3,984.26	1/2	3,737.16	1/2	3,446.89	1/2	3,090.33	1/2	2,733.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,471.76	3/4	4,225.96	3/4	3,979.12	3/4	3,732.02	3/4	3,439.47	3/4	3,082.89	3/4	2,725.76		
3		3		3		3	4,466.66	3	4,220.82	3	3,973.97	3	3,726.87	3	3,432.06	3	3,075.45	3	2,718.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,461.55	1/4	4,215.69	1/4	3,968.82	1/4	3,721.72	1/4	3,424.64	1/4	3,068.01	1/4	2,710.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,456.44	1/2	4,210.56	1/2	3,963.67	1/2	3,716.57	1/2	3,417.22	1/2	3,060.57	1/2	2,703.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,451.34	3/4	4,205.42	3/4	3,958.52	3/4	3,711.43	3/4	3,409.80	3/4	3,053.13	3/4	2,695.99		
4		4		4		4	4,446.23	4	4,200.29	4	3,953.38	4	3,706.28	4	3,402.39	4	3,045.70	4	2,688.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,441.12	1/4	4,195.16	1/4	3,948.23	1/4	3,701.13	1/4	3,394.97	1/4	3,038.26	1/4	2,681.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,436.02	1/2	4,190.02	1/2	3,943.08	1/2	3,695.98	1/2	3,387.55	1/2	3,030.82	1/2	2,673.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,430.91	3/4	4,184.89	3/4	3,937.93	3/4	3,690.83	3/4	3,380.13	3/4	3,023.38	3/4	2,666.23		
5		5		5		5	4,425.81	5	4,179.76	5	3,932.79	5	3,685.69	5	3,372.71	5	3,015.94	5	2,658.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,420.70	1/4	4,174.62	1/4	3,927.64	1/4	3,680.54	1/4	3,365.30	1/4	3,008.50	1/4	2,651.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,415.59	1/2	4,169.49	1/2	3,922.49	1/2	3,675.39	1/2	3,357.88	1/2	3,001.07	1/2	2,643.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.49	3/4	4,164.36	3/4	3,917.34	3/4	3,670.24	3/4	3,350.46	3/4	2,993.63	3/4	2,636.46		
6		6		6		6	4,405.38	6	4,159.22	6	3,912.19	6	3,665.09	6	3,343.04	6	2,986.19	6	2,629.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.28	1/4	4,154.09	1/4	3,907.05	1/4	3,659.95	1/4	3,335.63	1/4	2,978.75	1/4	2,621.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.17	1/2	4,148.96	1/2	3,901.90	1/2	3,654.80	1/2	3,328.21	1/2	2,971.31	1/2	2,614.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.06	3/4	4,143.82	3/4	3,896.75	3/4	3,649.65	3/4	3,320.79	3/4	2,963.87	3/4	2,606.67		
7		7		7		7	4,384.96	7	4,138.68	7	3,891.60	7	3,644.50	7	3,313.37	7	2,956.43	7	2,599.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,379.85	1/4	4,133.54	1/4	3,886.45	1/4	3,639.35	1/4	3,305.96	1/4	2,948.99	1/4	2,591.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,608.21	1/2	4,374.75	1/2	4,128.40	1/2	3,881.31	1/2	3,634.21	1/2	3,298.54	1/2	2,941.55	1/2	2,584.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,605.76	3/4	4,369.64	3/4	4,123.26	3/4	3,876.16	3/4	3,629.06	3/4	3,291.12	3/4	2,934.11	3/4	2,576.88
8		8		8		8	4,602.25	8	4,364.52	8	4,118.11	8	3,871.01	8	3,623.91	8	3,283.69	8	2,926.67	8	2,569.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,598.74	1/4	4,359.40	1/4	4,112.96	1/4	3,865.86	1/4	3,618.76	1/4	3,276.26	1/4	2,919.22	1/4	2,561.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,595.22	1/2	4,354.28	1/2	4,107.81	1/2	3,860.71	1/2	3,613.62	1/2	3,268.84	1/2	2,911.78	1/2	2,554.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,591.71	3/4	4,349.16	3/4	4,102.67	3/4	3,855.57	3/4	3,608.47	3/4	3,261.41	3/4	2,904.34	3/4	2,547.08
9		9		9		9	4,587.20	9	4,344.03	9	4,097.52	9	3,850.42	9	3,602.75	9	3,253.97	9	2,896.90	9	2,539.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,582.69	1/4	4,338.90	1/4	4,092.37	1/4	3,845.27	1/4	3,597.02	1/4	3,246.53	1/4	2,889.46	1/4	2,532.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,578.18	1/2	4,333.76	1/2	4,087.22	1/2	3,840.12	1/2	3,591.30	1/2	3,239.09	1/2	2,882.02	1/2	2,524.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,573.67	3/4	4,328.63	3/4	4,082.07	3/4	3,834.97	3/4	3,585.58	3/4	3,231.66	3/4	2,874.58	3/4	2,517.29
10		10		10		10	4,568.63	10	4,323.49	10	4,076.93	10	3,829.83	10	3,578.72	10	3,224.22	10	2,867.14	10	2,509.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,563.58	1/4	4,318.36	1/4	4,071.78	1/4	3,824.68	1/4	3,571.87	1/4	3,216.78	1/4	2,859.70	1/4	2,502.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,558.54	1/2	4,313.23	1/2	4,066.63	1/2	3,819.53	1/2	3,565.01	1/2	3,209.34	1/2	2,852.25	1/2	2,494.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.50	3/4	4,308.09	3/4	4,061.48	3/4	3,814.38	3/4	3,558.16	3/4	3,201.90	3/4	2,844.81	3/4	2,487.50
11		11		11		11	4,548.39	11	4,302.96	11	4,056.33	11	3,809.24	11	3,550.74	11	3,194.46	11	2,837.37	11	2,480.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.28	1/4	4,297.83	1/4	4,051.19	1/4	3,804.09	1/4	3,543.32	1/4	3,187.03	1/4	2,829.93	1/4	2,472.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,538.17	1/2	4,292.69	1/2	4,046.04	1/2	3,798.94	1/2	3,535.90	1/2	3,179.59	1/2	2,822.49	1/2	2,465.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,533.06	3/4	4,287.56	3/4	4,040.89	3/4	3,793.79	3/4	3,528.49	3/4	3,172.15	3/4	2,815.05	3/4	2,457.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00 3/4" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "HTCO 3138"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.				
IN	0	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	
0	2,450.26	1/4	2,085.30	1/2	1,727.78	3/4	1,370.27	1	1,012.94	1/4	655.80	1/2	298.29	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
1	2,420.46	1/4	2,055.50	1/2	1,697.99	3/4	1,340.48	1	983.21	1/4	626.00	1/2	268.50	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
2	2,390.67	1/4	2,025.71	1/2	1,668.20	3/4	1,310.68	1	953.48	1/4	596.21	1/2	238.70	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
3	2,360.88	1/4	1,995.92	1/2	1,638.40	3/4	1,280.89	1	923.74	1/4	566.42	1/2	208.91	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
4	2,331.09	1/4	1,966.12	1/2	1,608.61	3/4	1,251.10	1	894.01	1/4	536.63	1/2	179.12	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
5	2,301.29	1/4	1,936.33	1/2	1,578.82	3/4	1,221.30	1	864.28	1/4	506.84	1/2	149.33	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
6	2,271.50	1/4	1,906.54	1/2	1,549.02	3/4	1,191.51	1	834.53	1/4	477.04	1/2	119.53	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
7	2,241.71	1/4	1,876.75	1/2	1,519.23	3/4	1,161.72	1	804.76	1/4	447.25	1/2	89.74	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
8	2,211.91	1/4	1,846.95	1/2	1,489.44	3/4	1,131.93	1	774.97	1/4	417.46	1/2	60.88	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
9	2,182.12	1/4	1,817.16	1/2	1,459.65	3/4	1,102.16	1	745.17	1/4	387.67	1/2	35.74	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
10	2,152.33	1/4	1,787.37	1/2	1,429.85	3/4	1,072.41	1	715.38	1/4	357.87	1/2	357.87	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
11	2,122.54	1/4	1,757.57	1/2	1,400.06	3/4	1,042.67	1	685.59	1/4	328.08	1/2	328.08	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4
12	2,100.19	1/4	1,727.78	1/2	1,370.27	3/4	1,012.94	1	655.80	1/4	298.29	1/2	298.29	3/4	1/4	1/2	1/2	1/4	1/2	1/2	1/4	1/4

STRAPPED: 05/04/2015 CL
 RECALCULATED: 10/23/2023 JS
 VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	120	0	298	0	456	0		0		0		0		0		0	
1/4	1	1/4	123	1/4	302	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	305	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3	3/4	130	3/4	309	3/4	463	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	313	1	466	1		1		1		1		1		1	
1/4	5	1/4	137	1/4	316	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	141	1/2	320	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	8	3/4	144	3/4	324	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	148	2	327	2	475	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	331	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	155	1/2	335	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	159	3/4	338	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	162	3	342	3	482	3		3		3		3		3		3	
1/4	19	1/4	166	1/4	346	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	170	1/2	349	1/2	485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	173	3/4	353	3/4	487	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	177	4	356	4	488	4		4		4		4		4		4	
1/4	27	1/4	181	1/4	360	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	30	1/2	185	1/2	363	1/2	490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	188	3/4	367	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
5	35	5	192	5	370	5	492	5		5		5		5		5		5	
1/4	37	1/4	196	1/4	374	1/4	493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	200	1/2	377	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	203	3/4	381	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	207	6	384	6		6		6		6		6		6		6	
1/4	48	1/4	211	1/4	387	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	215	1/2	391	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	218	3/4	394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	222	7	397	7		7		7		7		7		7		7	
1/4	59	1/4	226	1/4	401	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	230	1/2	404	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	234	3/4	407	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	237	8	410	8		8		8		8		8		8		8	
1/4	71	1/4	241	1/4	413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	245	1/2	416	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	249	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	252	9	423	9		9		9		9		9		9		9	
1/4	83	1/4	256	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	260	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	264	3/4	432	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	268	10	434	10		10		10		10		10		10		10	
1/4	96	1/4	271	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	275	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	279	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	283	11	446	11		11		11		11		11		11		11	
1/4	110	1/4	287	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	290	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	294	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 05/04/2015 CL
 RECALCULATED: 10/23/2023 JS
 VERIFIED: 10/23/2023

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HTCO 3138"

FWD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	1,627	0	1,178	0	730	0	281	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1,618	1/4	1,169	1/4	720	1/4	271	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,609	1/2	1,160	1/2	711	1/2	262	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,599	3/4	1,150	3/4	702	3/4	253	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1,590	1	1,141	1	692	1	243	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1,581	1/4	1,132	1/4	683	1/4	234	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,020	1/2	1,571	1/2	1,122	1/2	673	1/2	225	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,011	3/4	1,562	3/4	1,113	3/4	664	3/4	215	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2,001	2	1,552	2	1,104	2	655	2	206	2	2	2	2	2	2	2	2	2
1/4	1/4	1,992	1/4	1,543	1/4	1,094	1/4	645	1/4	197	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,983	1/2	1,534	1/2	1,085	1/2	636	1/2	187	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,973	3/4	1,524	3/4	1,076	3/4	627	3/4	178	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	1,964	3	1,515	3	1,066	3	617	3	169	3	3	3	3	3	3	3	3	3
1/4	1/4	1,955	1/4	1,506	1/4	1,057	1/4	608	1/4	159	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,945	1/2	1,496	1/2	1,048	1/2	599	1/2	150	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,936	3/4	1,487	3/4	1,038	3/4	589	3/4	140	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	1,926	4	1,478	4	1,029	4	580	4	131	4	4	4	4	4	4	4	4	4
1/4	1/4	1,917	1/4	1,468	1/4	1,019	1/4	571	1/4	122	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,908	1/2	1,459	1/2	1,010	1/2	561	1/2	112	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,898	3/4	1,450	3/4	1,001	3/4	552	3/4	103	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	1,889	5	1,440	5	991	5	543	5	94	5	5	5	5	5	5	5	5	5
1/4	1/4	1,880	1/4	1,431	1/4	982	1/4	533	1/4	84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,870	1/2	1,422	1/2	973	1/2	524	1/2	75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,861	3/4	1,412	3/4	963	3/4	515	3/4	66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	1,852	6	1,403	6	954	6	505	6	56	6	6	6	6	6	6	6	6	6
1/4	1/4	1,842	1/4	1,394	1/4	945	1/4	496	1/4	47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,833	1/2	1,384	1/2	935	1/2	486	1/2	38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,824	3/4	1,375	3/4	926	3/4	477	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	1,814	7	1,365	7	917	7	468	7	19	7	7	7	7	7	7	7	7	7
1/4	1/4	1,805	1/4	1,356	1/4	907	1/4	458	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,796	1/2	1,347	1/2	898	1/2	449	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,786	3/4	1,337	3/4	889	3/4	440	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	1,777	8	1,328	8	879	8	430	8	0	8	8	8	8	8	8	8	8	8
1/4	1/4	1,768	1/4	1,319	1/4	870	1/4	421	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,758	1/2	1,309	1/2	861	1/2	412	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,749	3/4	1,300	3/4	851	3/4	402	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	1,739	9	1,291	9	842	9	393	9	0	9	9	9	9	9	9	9	9	9
1/4	1/4	1,730	1/4	1,281	1/4	832	1/4	384	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,721	1/2	1,272	1/2	823	1/2	374	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,711	3/4	1,263	3/4	814	3/4	365	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	1,702	10	1,253	10	804	10	356	10	0	10	10	10	10	10	10	10	10	10
1/4	1/4	1,693	1/4	1,244	1/4	795	1/4	346	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,683	1/2	1,235	1/2	786	1/2	337	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,674	3/4	1,225	3/4	776	3/4	328	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	1,665	11	1,216	11	767	11	318	11	0	11	11	11	11	11	11	11	11	11
1/4	1/4	1,655	1/4	1,206	1/4	758	1/4	309	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,646	1/2	1,197	1/2	748	1/2	299	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,637	3/4	1,188	3/4	739	3/4	290	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 05/04/2015 CL
 RECALCULATED: 10/23/2023 JS
 VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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<http://www.pmacorp.net>



BARGE "HTCO 3138"

**AFT SLOP TANK
ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	1,627	0	1,178	0	730	0	281	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1,618	1/4	1,169	1/4	720	1/4	271	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,609	1/2	1,160	1/2	711	1/2	262	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,599	3/4	1,150	3/4	702	3/4	253	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1,590	1	1,141	1	692	1	243	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1,581	1/4	1,132	1/4	683	1/4	234	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	2,020	1/2	1,571	1/2	1,122	1/2	673	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	2,011	3/4	1,562	3/4	1,113	3/4	664	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2,001	2	1,552	2	1,104	2	655	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1,992	1/4	1,543	1/4	1,094	1/4	645	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,983	1/2	1,534	1/2	1,085	1/2	636	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,973	3/4	1,524	3/4	1,076	3/4	627	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	1,964	3	1,515	3	1,066	3	617	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1,955	1/4	1,506	1/4	1,057	1/4	608	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,945	1/2	1,496	1/2	1,048	1/2	599	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,936	3/4	1,487	3/4	1,038	3/4	589	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	1,926	4	1,478	4	1,029	4	580	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1,917	1/4	1,468	1/4	1,019	1/4	571	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,908	1/2	1,459	1/2	1,010	1/2	561	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,898	3/4	1,450	3/4	1,001	3/4	552	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	1,889	5	1,440	5	991	5	543	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1,880	1/4	1,431	1/4	982	1/4	533	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,870	1/2	1,422	1/2	973	1/2	524	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,861	3/4	1,412	3/4	963	3/4	515	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	1,852	6	1,403	6	954	6	505	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1,842	1/4	1,394	1/4	945	1/4	496	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,833	1/2	1,384	1/2	935	1/2	486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,824	3/4	1,375	3/4	926	3/4	477	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	1,814	7	1,365	7	917	7	468	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1,805	1/4	1,356	1/4	907	1/4	458	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,796	1/2	1,347	1/2	898	1/2	449	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,786	3/4	1,337	3/4	889	3/4	440	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	1,777	8	1,328	8	879	8	430	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1,768	1/4	1,319	1/4	870	1/4	421	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,758	1/2	1,309	1/2	861	1/2	412	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,749	3/4	1,300	3/4	851	3/4	402	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	1,739	9	1,291	9	842	9	393	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1,730	1/4	1,281	1/4	832	1/4	384	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,721	1/2	1,272	1/2	823	1/2	374	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,711	3/4	1,263	3/4	814	3/4	365	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	1,702	10	1,253	10	804	10	356	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1,693	1/4	1,244	1/4	795	1/4	346	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,683	1/2	1,235	1/2	786	1/2	337	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,674	3/4	1,225	3/4	776	3/4	328	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	1,665	11	1,216	11	767	11	318	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1,655	1/4	1,206	1/4	758	1/4	309	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1,646	1/2	1,197	1/2	748	1/2	299	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	1,637	3/4	1,188	3/4	739	3/4	290	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 05/04/2015 CL
RECALCULATED: 10/23/2023 JS
VERIFIED: 10/23/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
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